



CERTIFICATE OF ANALYSIS

VVK10012926 Project #2, VVK10012967 Project #1
289B637, 295B637

Products

Purified AAV9-CAG-TdTomato (Lot: 23-459)

Purified AAV5-CAG-TdTomato (Lot: 23-458)

Storage Conditions

The AAV vectors should be kept at -80°C for long term storage. When storing for frequent use, 4°C is recommended. Avoid storing at -20°C.

Shipping Conditions

Dry Ice

Manufacture Date

2023-12-22

Shelf Life/Expiration Date

Virovek's AAV will last 5 years from the manufacture date when stored at -80°C without freeze-thaw cycles.

Description

- AAV9-CAG-TdTomato was produced in Sf9 cells by infection with rBV-inCap9-inRep-kozak-hr2 and rBV-CAG-TdTomato. The final buffer is 1xPBS + 0.001% pluronic F-68.
- AAV5-CAG-TdTomato was produced in Sf9 cells by infection with rBV-inCap5-inRep-kozak-hr2 and rBV-CAG-TdTomato. The final buffer is 1xPBS + 0.001% pluronic F-68.

The vectors were purified through 2 rounds of CsCl ultracentrifugation. CsCl was removed through buffer exchange with 2 PD-10 desalting columns. The vectors were then sterilized via filtration with 0.22 µm filters.

These vectors are for research use only and not for any human purposes.

Quality Control Data

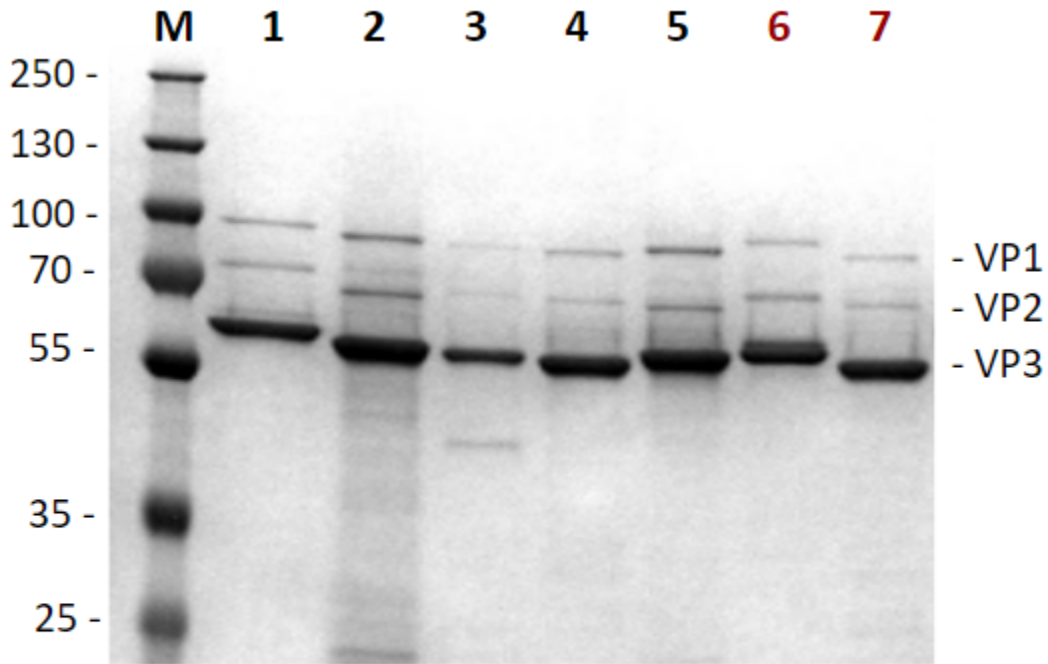
qPCR or Nanodrop analysis was used to determine the titer(s) of the AAV sample(s). SDS-PAGE and SimplyBlue Staining (Invitrogen) techniques were used to verify the purity of the vectors (Fig. 1). DNA agarose gel electrophoresis was used to verify genome quality (Fig. 2).



Product Titrers

Lot 23-459: 2E+13 vg/ml

Lot 23-458: 2E+13 vg/ml



Lane M: Protein Ladder

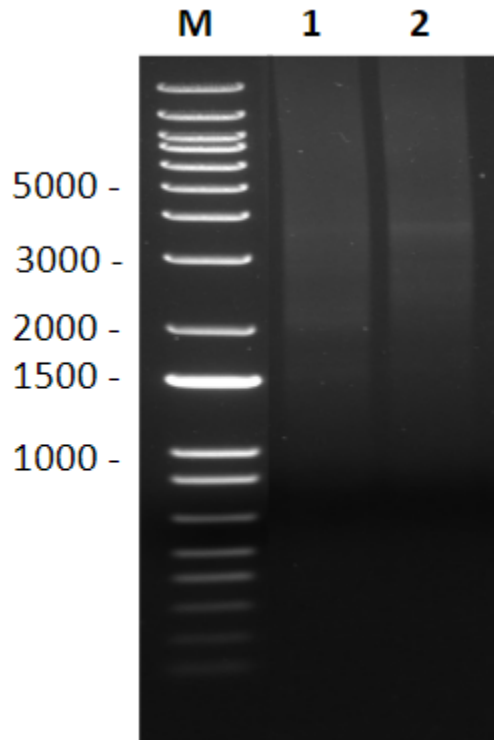
Lane 1: AAV8 Standard Control 1E+11vg Loaded

Lane 6: Lot 23-458 AAV5-CAG-TdTomato 1E+11vg Loaded

Lane 7: Lot 23-459 AAV9-CAG-TdTomato 1E+11vg Loaded

Other samples are not relevant to this batch.

Fig. 1. SDS-PAGE and InstantBlue Staining of purified samples.



Lane M: DNA 1 KB Ladder

Lane 1: Lot 23-458 AAV5-CAG-TdTomato 1E+11vg Loaded

Lane 2: Lot 23-459 AAV9-CAG-TdTomato 1E+11vg Loaded

Fig. 2: DNA agarose gel of purified samples.

Approved By: QA/QC Team Date: 2024-01-30